

**SOURCE INVENTORY****CATEGORY # 760****ANIMAL WASTE - OTHER****1999 EMISSIONS***Introduction*

Emissions from this category are from waste products of domestic animals (pets) and other native animals including dogs, cats, deer, and wild pigs.

*Methodology*

The animal population was estimated based on pet to human ratios taken from the report, "Evaluation of Emissions from Selected Uninventoried Sources in the State of California", 1988, by Dickson, R. and Tate, S. Population of dogs and cats was estimated based on this ratio with the population of each county. Of the wildlife animals, only deer and wild pigs were considered significant. Numbers of heads for these animals were made based on county land area ratios estimates by the Department of Fish and Game. Emission factors were also derived from the above report.

<b>Number of Heads</b>				
<b>County</b>	<b>Dogs</b>	<b>Cats</b>	<b>Deer</b>	<b>Wild Pigs</b>
Alameda	168,663	114,746	3,670	367
Contra Costa	150,172	99,815	3,665	367
Marin	40,986	27,243	2,600	260
Napa	27,264	16,482	3,940	394
San Francisco	92,455	62,899	225	231
San Mateo	116,270	77,281	2,235	224
Santa Clara	198,924	135,333	6,500	650
Solano	47,611	31,646	1,850	185
Sonoma	63,945	42,502	3,320	332
<b>Emission Factors (Lbs/head)</b>	12	2.6	12	58

*Monthly Variation*

Monthly distribution was estimated evenly over the twelve months.

### *County Distribution*

The county distribution was based on dog population for the nine counties, and correspondingly, showed : Alameda-18.5%, Contra Costa-16.4%, Marin-4.6%, Napa-2.9%, San Francisco-10.6%, San Mateo-12.9%, Santa Clara-21.9%, Solano-5.3%, and Sonoma-6.9%..

## **TRENDS**

### *History*

Emissions through the years were estimated based on ARB's relative values of dollar output for growth in Agriculture-stock of each county.

### *Growth*

Projections to year 2030 was based on the same growth profile of ARB's agricultural-stock growth in the Bay Area.